

FIG. 1
PRIOR ART

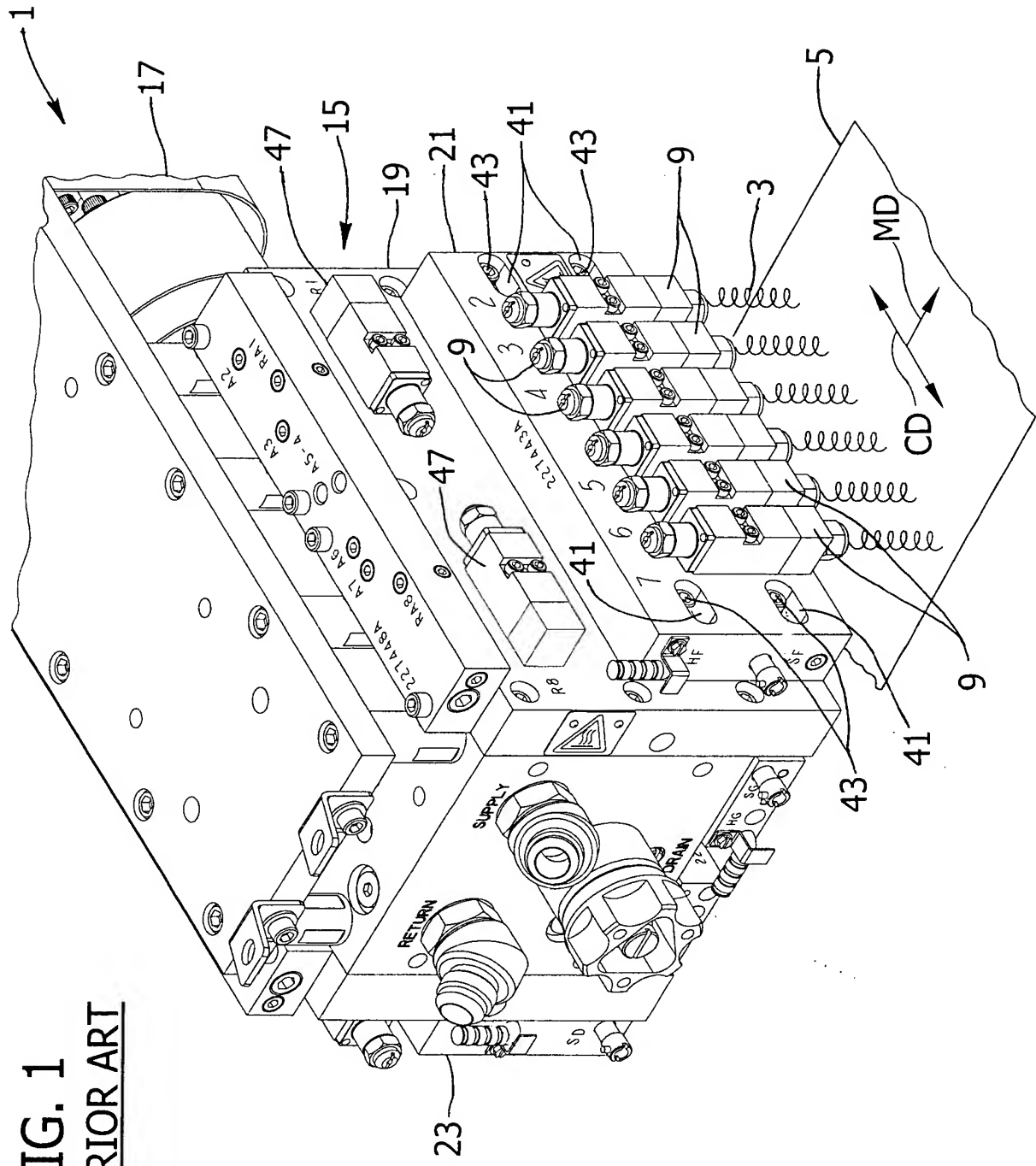


FIG. 2
PRIOR ART

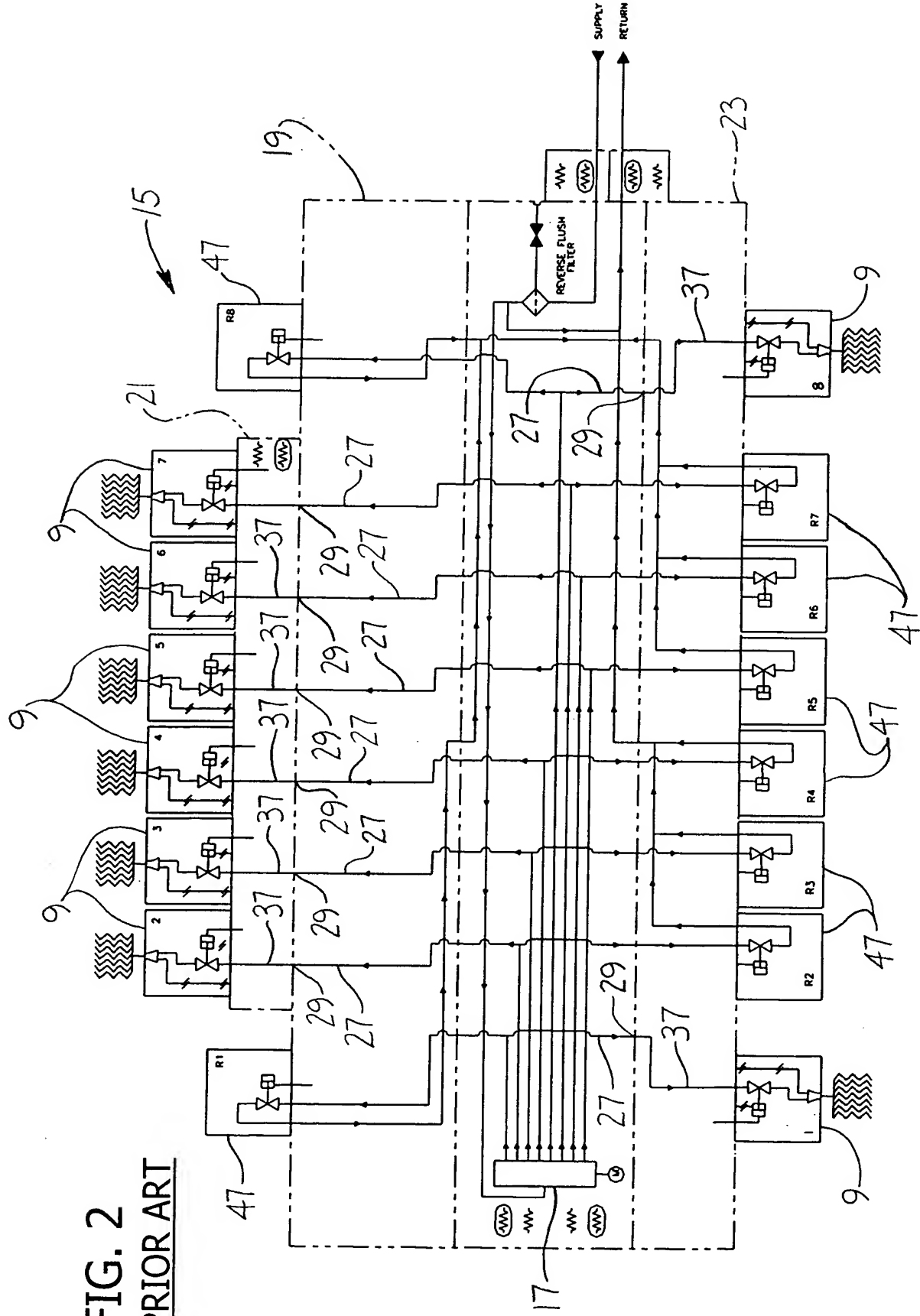


FIG. 3
PRIOR ART

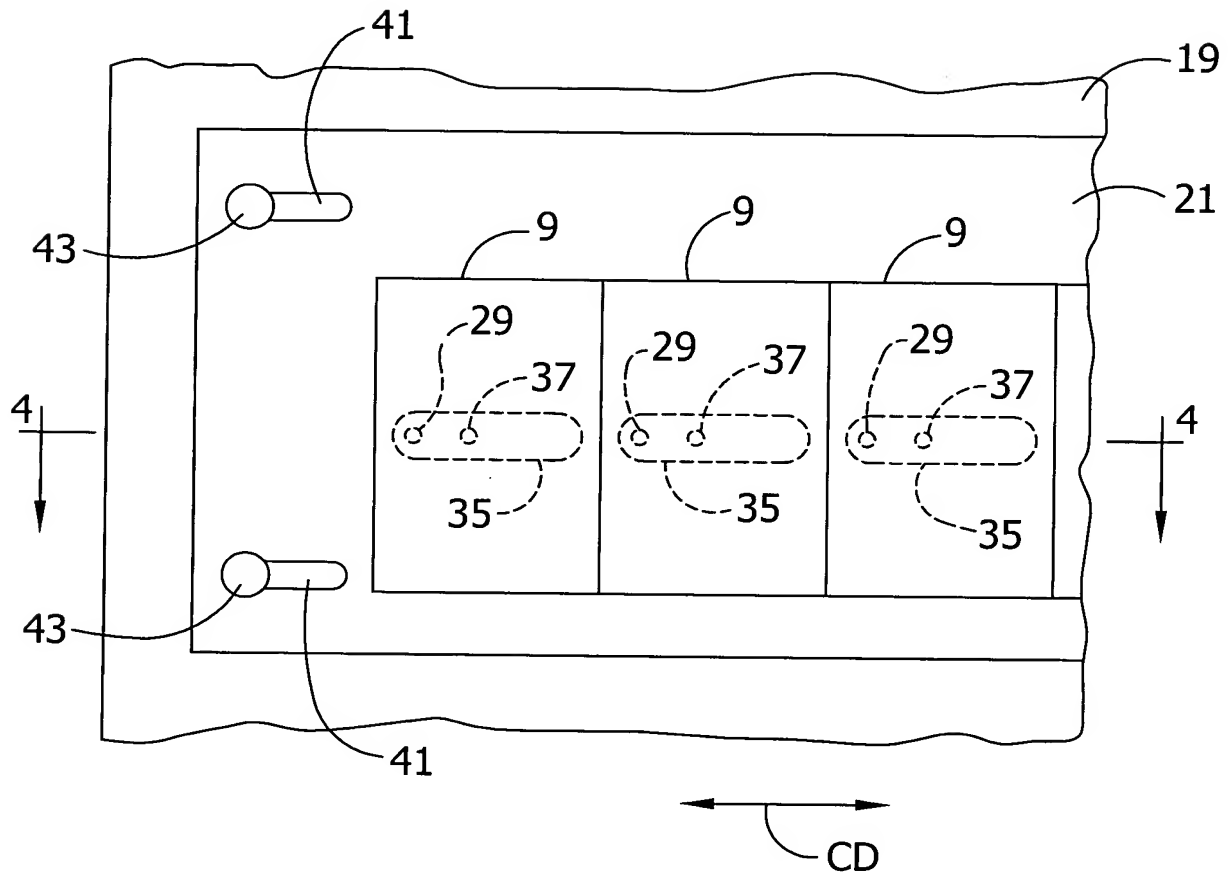
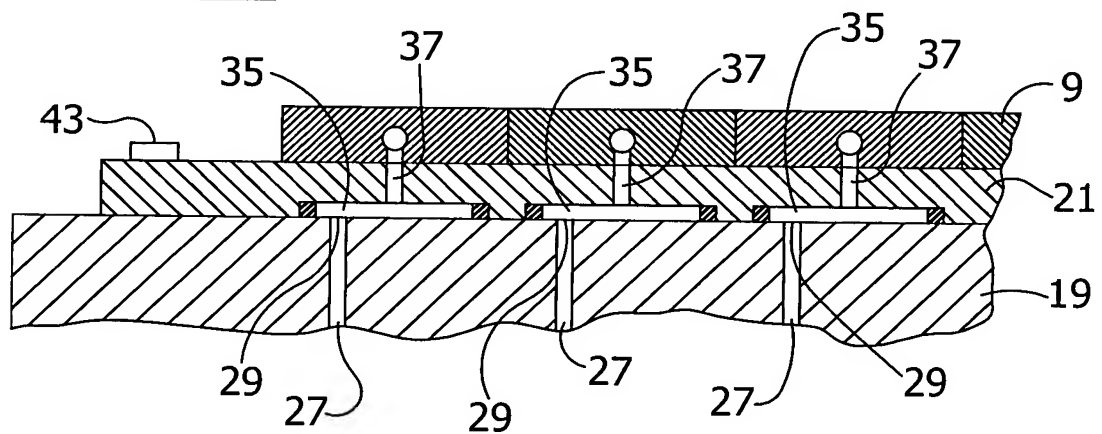


FIG. 4
PRIOR ART



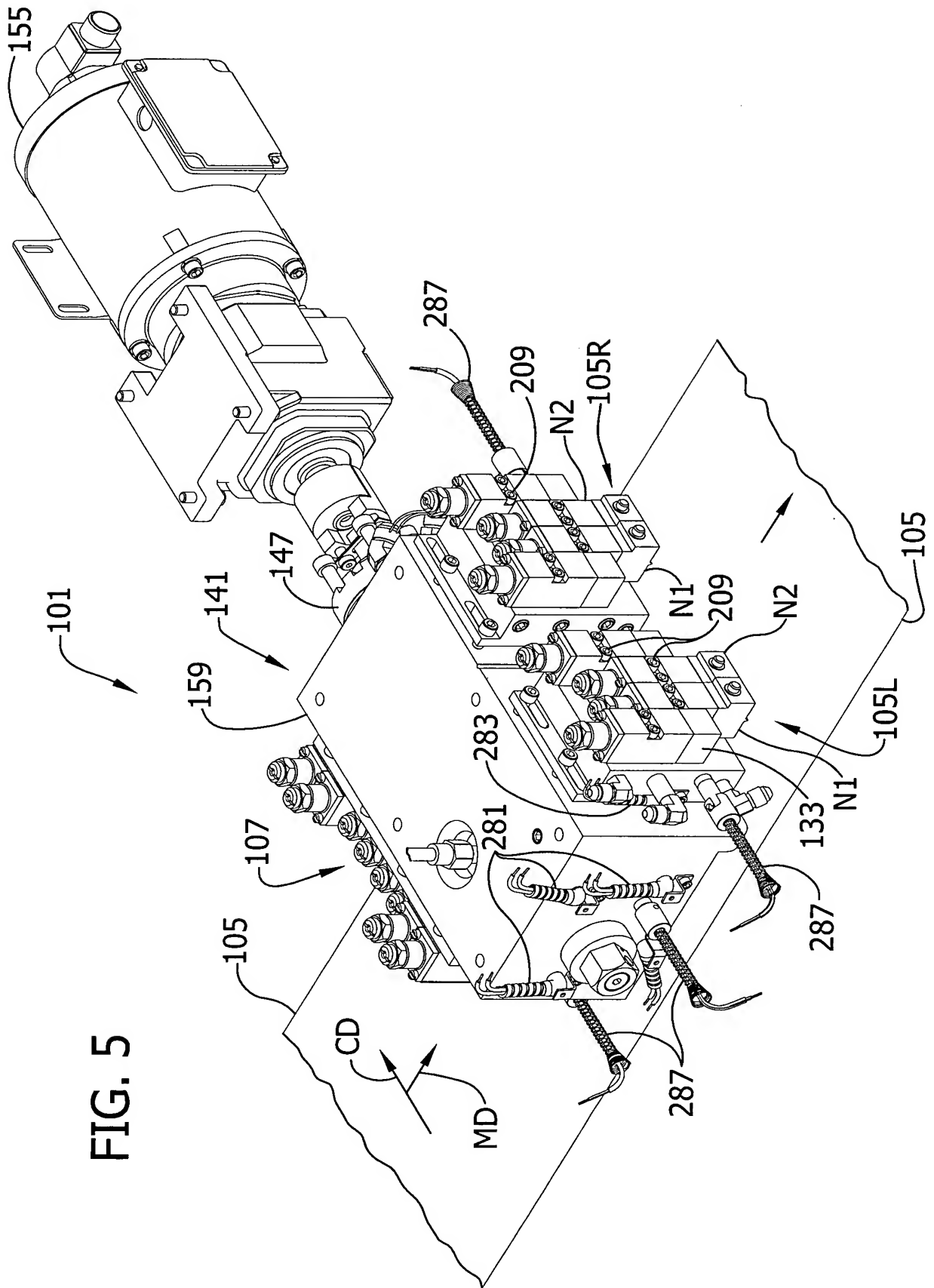
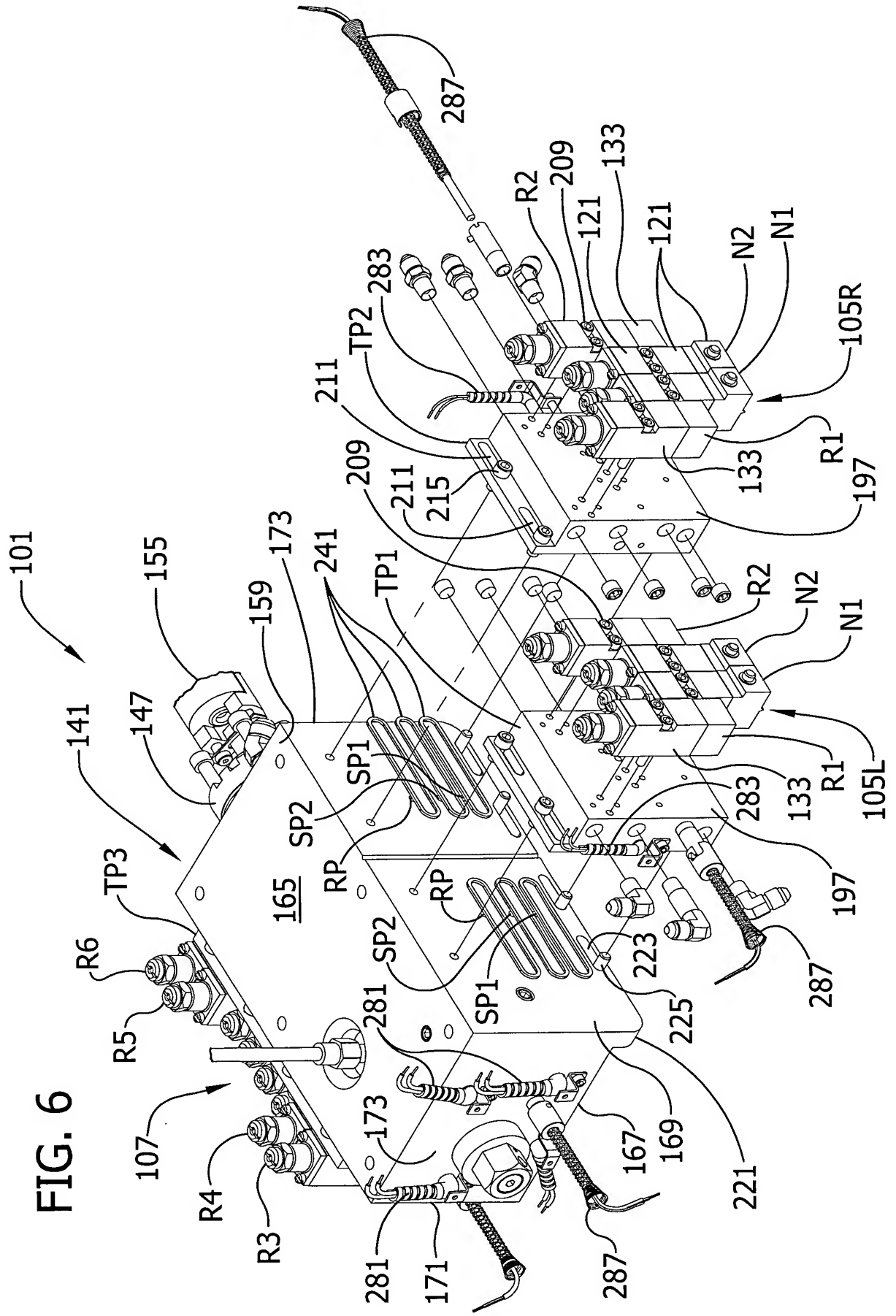


FIG. 5



The diagram illustrates a complex electrical network. At the top, three transformer assemblies labeled TP1, TP2, and TP3 are shown. Each assembly contains a set of primary windings (R1, R2) and secondary windings (N1, N2) with associated taps (231). These transformers are interconnected via a series of buses and switches. Key components include:

- Buses:** Labeled 171, 159, 185, and 169.
- Switches and Relays:** SP (switches), RP (relays), and R1/R2 (specific relay contacts).
- Loads:** Various components like 141, 155, 147, 151, and 143 are connected to different parts of the network.
- Control Elements:** Microprocessors (M) and sensors are integrated into the system for monitoring and control.

 The diagram uses dashed lines to indicate internal connections or alternative configurations within certain modules.

FIG. 9

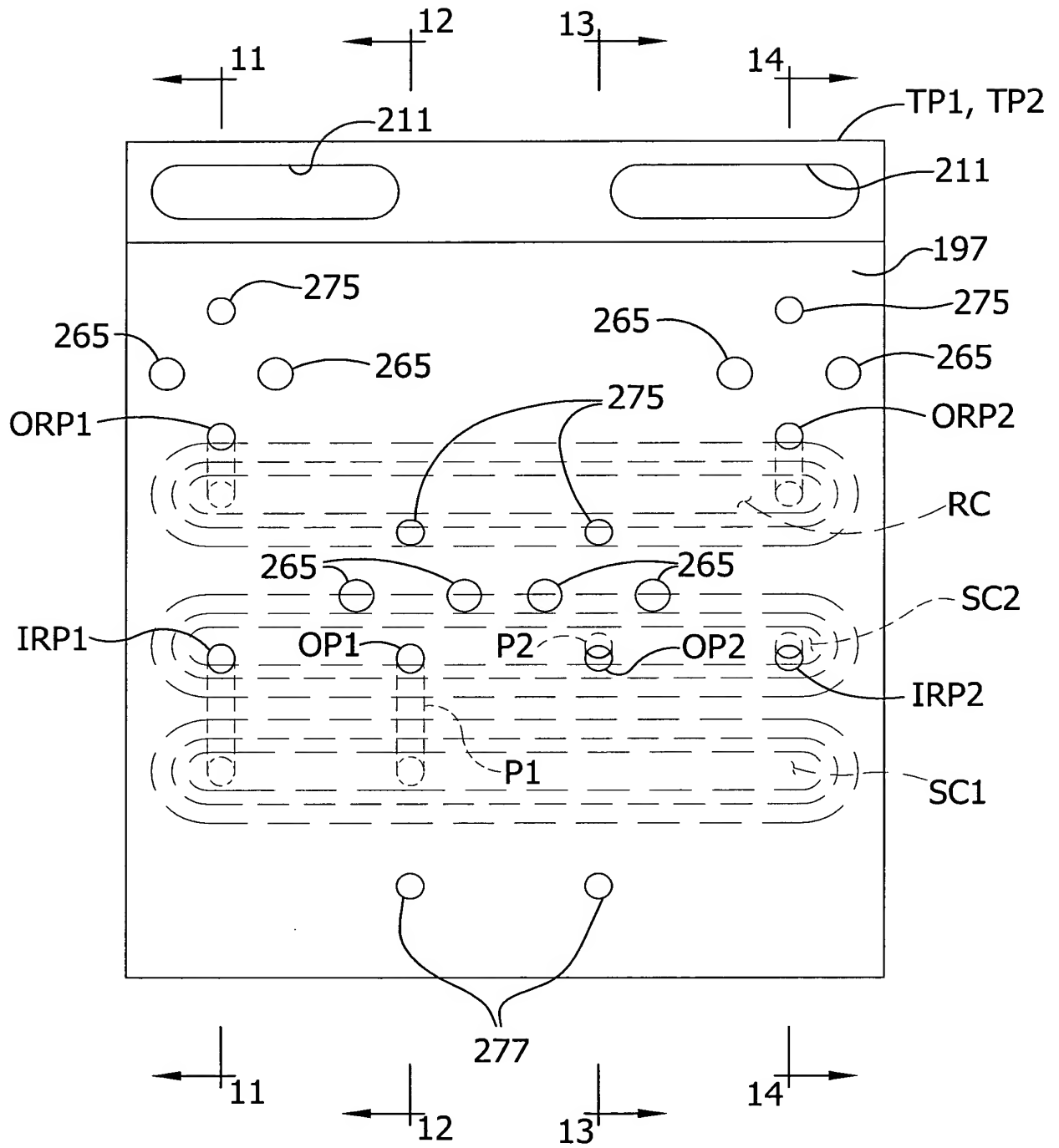


FIG. 10

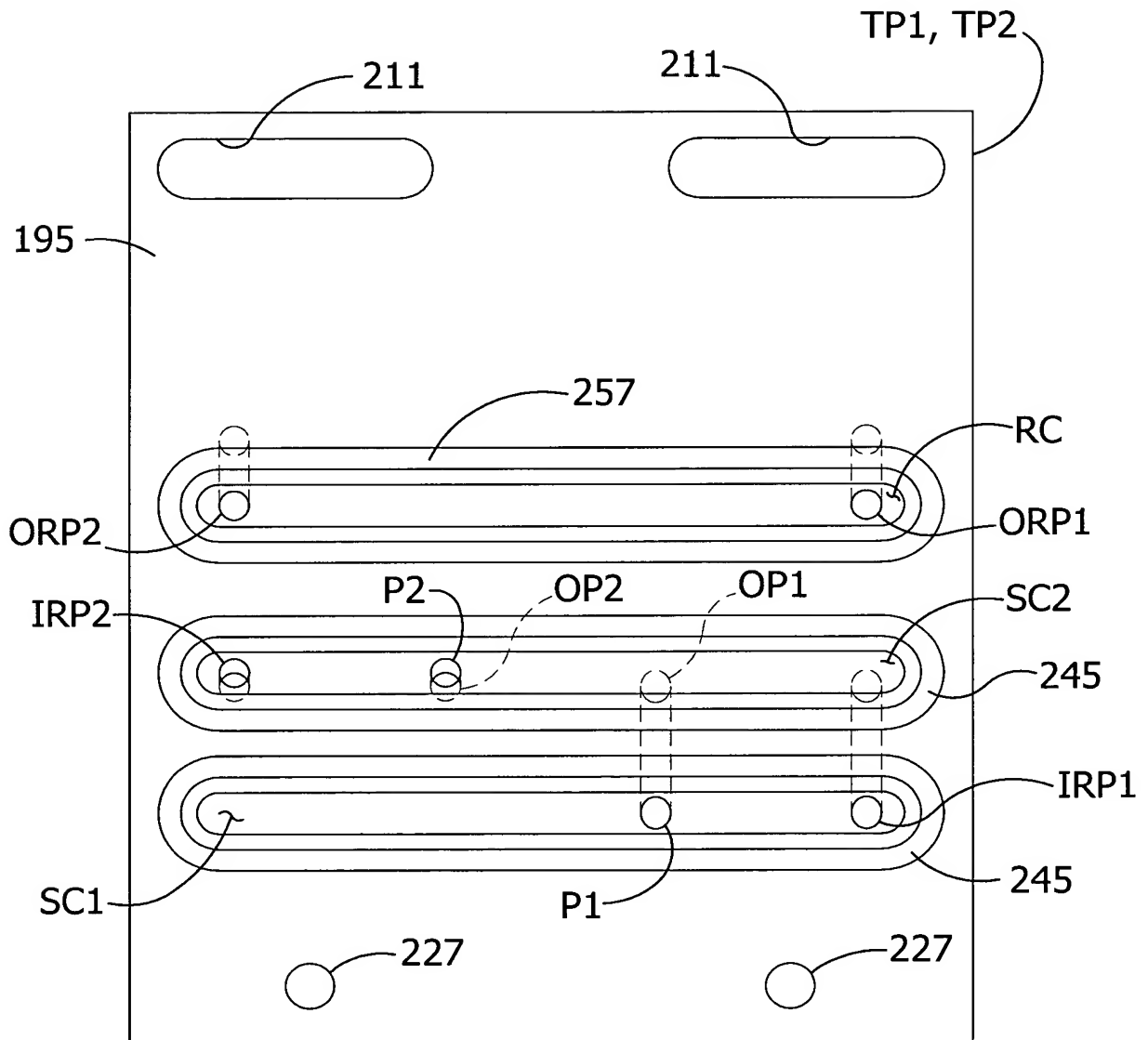


FIG. 11

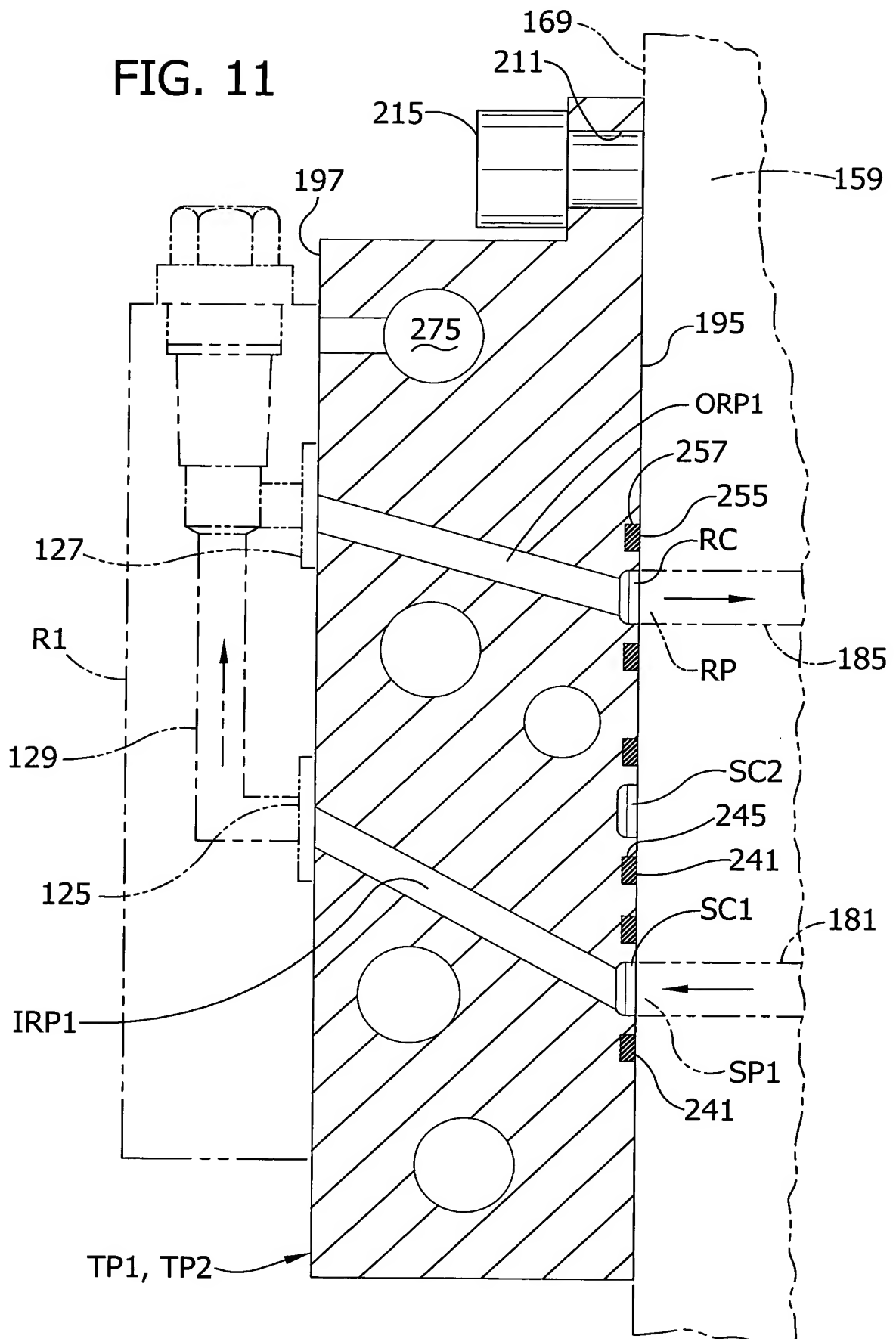


FIG. 12

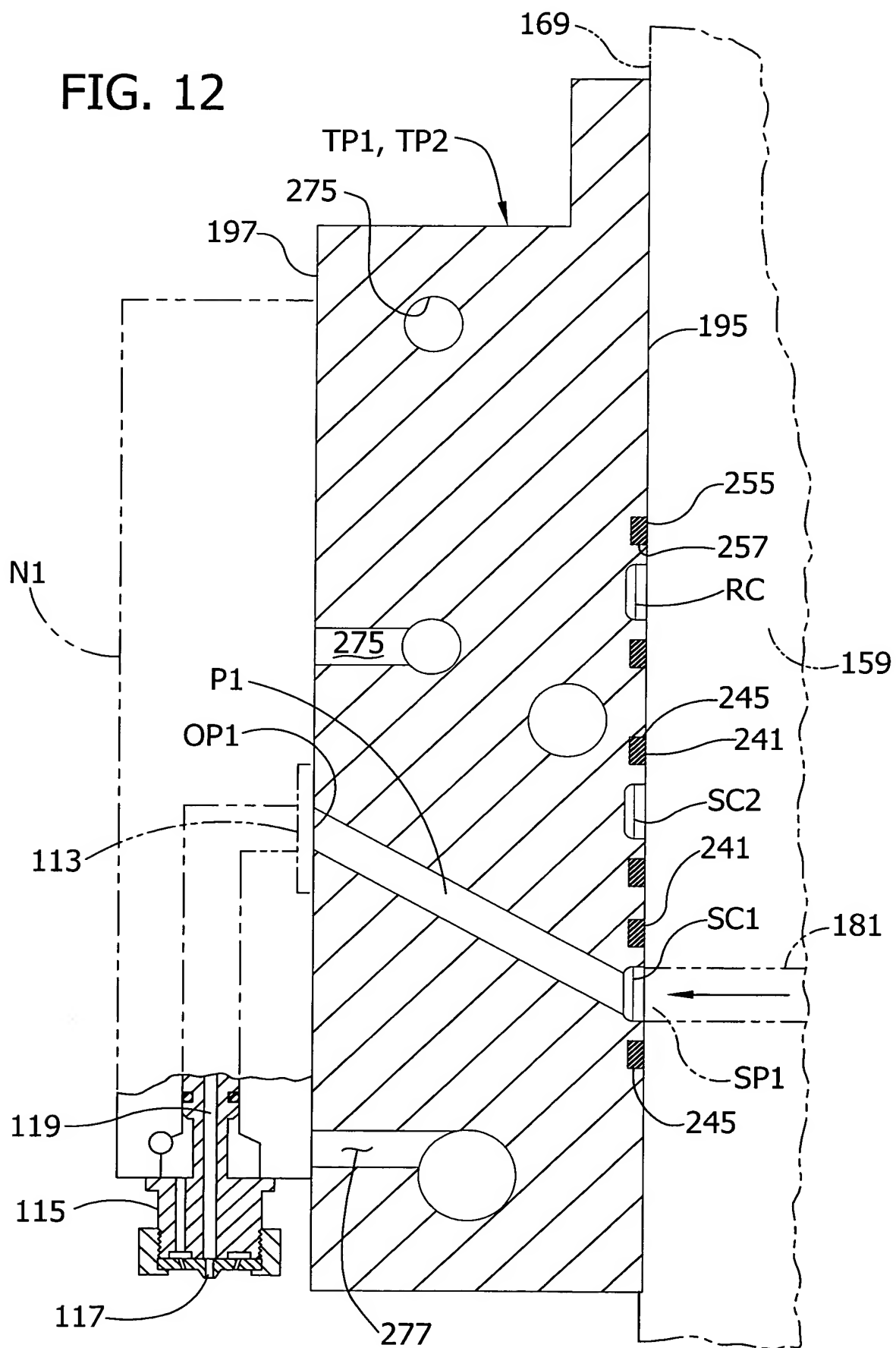


FIG. 14

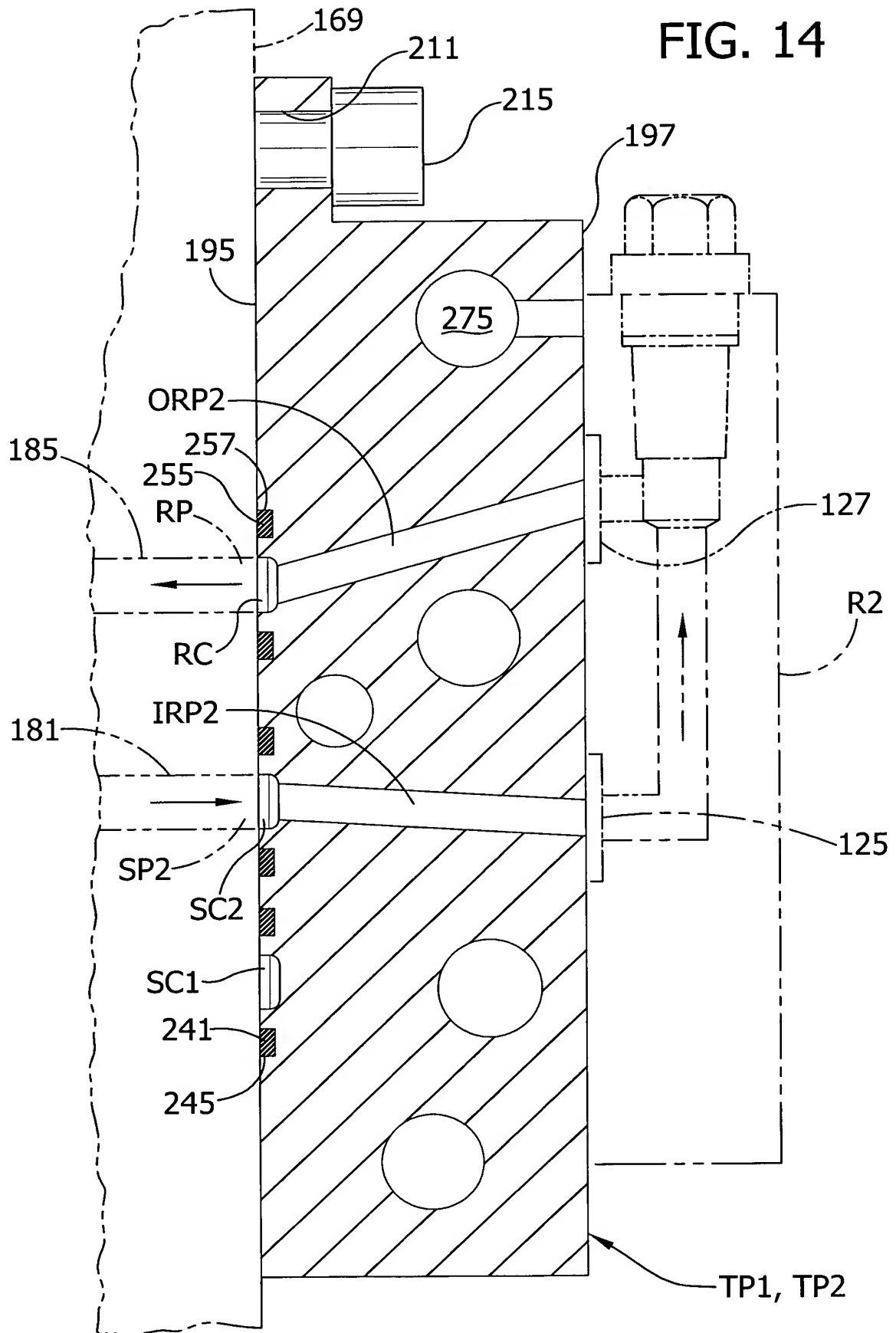


FIG. 15

